

**PATENT APPLICATION**

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JAN 24 2003  
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JAN 28 2003  
O P  
OLIFF & BERRIDGE, PLC  
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Attorney Docket No.: 108530

**AMENDMENT TRANSMITTAL**

In re the Application of

Ramesh H. KAKKAD

Application No.: 09/778,744

Group Art Unit: 2823

Filed: February 8, 2001

Examiner: W. Coleman

For: AN ELECTRO-OPTICAL APPARATUS AND METHOD FOR FABRICATING A FILM,  
SEMICONDUCTOR DEVICE AND MEMORY DEVICE AT NEAR ATMOSPHERIC PRESSURE  
(AS AMENDED)

Director of the U.S. Patent and Trademark Office  
Washington, D.C. 20231

Sir:

Transmitted herewith is an Amendment in the above-identified application.

- Entitlement to small entity status is hereby asserted.  
 Small entity status of this application has been established.

The filing fee has been calculated as shown below:

	(Column 1) CLAIMS REMAINING AFTER AMENDMENT	(Column 2) HIGHEST NO. PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA
TOTAL CLAIMS	*22	21	=1
INDEP CLAIMS	*5	5	=0
<input type="checkbox"/> FIRST PRESENTATION OF MULTIPLE DEP. CLAIM			

SMALL ENTITY	
RATE	ADD'L FEE
x 9	\$
x 42	\$
+140	\$
	\$

OTHER THAN A SMALL ENTITY	
QR	ADD'L FEE
x 18	\$ 18.00
x 84	\$
+280	\$
	\$ 18.00

- \* If the entry in Column 1 is less than the entry in Column 2, write "0" in Column 3.
  - \*\* If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, write "20" in this space.
  - \*\*\* If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, write "3" in this space.
- The "Highest Number Previously Paid For" in this space (Total or Independent) is the highest number found from the equivalent box in Column 1 of a prior Amendment or the number of claims originally filed.
- Check No. 138368 in the amount of \$18.00 is attached. The Director is hereby authorized to charge any other fees that may be required to complete this filing, or to credit any overpayment, to Deposit Account No. 15-0461. Two duplicate copies of this sheet are attached.

DEPOSIT ACCOUNT USE  
AUTHORIZATION  
Please grant any extension  
necessary for entry;  
Charge any fee due to our  
Deposit Account No. 15-0461

Respectfully submitted,

*B. M. Halpern*

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JAO:BMH/vgp

Date: January 24, 2003

O.I.P.F.  
JAN 24 2003  
TECHNICAL OFFICE SUGAR

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

Ramesh H. KAKKAD

Application No.: 09/778,744

#10/Art A  
R.E  
1/31/03  
Group Art Unit: 2823

Examiner: W. Coleman

Filed: February 8, 2001

Docket No.: 108530

For: AN ELECTRO-OPTICAL APPARATUS AND METHOD FOR FABRICATING A FILM, SEMICONDUCTOR DEVICE AND MEMORY DEVICE AT NEAR ATMOSPHERIC PRESSURE (AS AMENDED)

AMENDMENT UNDER 37 C.F.R. §1.111

Director of the U.S. Patent and Trademark Office  
Washington, D.C. 20231

Sir:

In reply to the September 24, 2002 Office Action, please amend the above-identified application as follows:

IN THE TITLE:

Please replace the title so that it reads as follows:

--AN ELECTRO-OPTICAL APPARATUS AND METHOD FOR FABRICATING A FILM,  
SEMICONDUCTOR DEVICE AND MEMORY DEVICE AT NEAR ATMOSPHERIC  
PRESSURE--

IN THE CLAIMS:

Please replace claims 1, 16, 17, 20 and 21 as follows:

- A
1. (Amended) A method for fabricating a film, the method comprising:  
supplying electrical energy to a mixture of noble gas and reactant gas at a total pressure of 90 kPa to 110 kPa to create reactive species, the reactive species forming a film on a substrate, the electrical energy being used for producing noble gas radicals and ions, the noble gas radicals and ions colliding with the reactant gas to form the reactive species.

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